



THE HANFORD SITE

Integrated Disposal Facility Overview

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Objective of the briefing:

- To better understand operations and facility upgrades

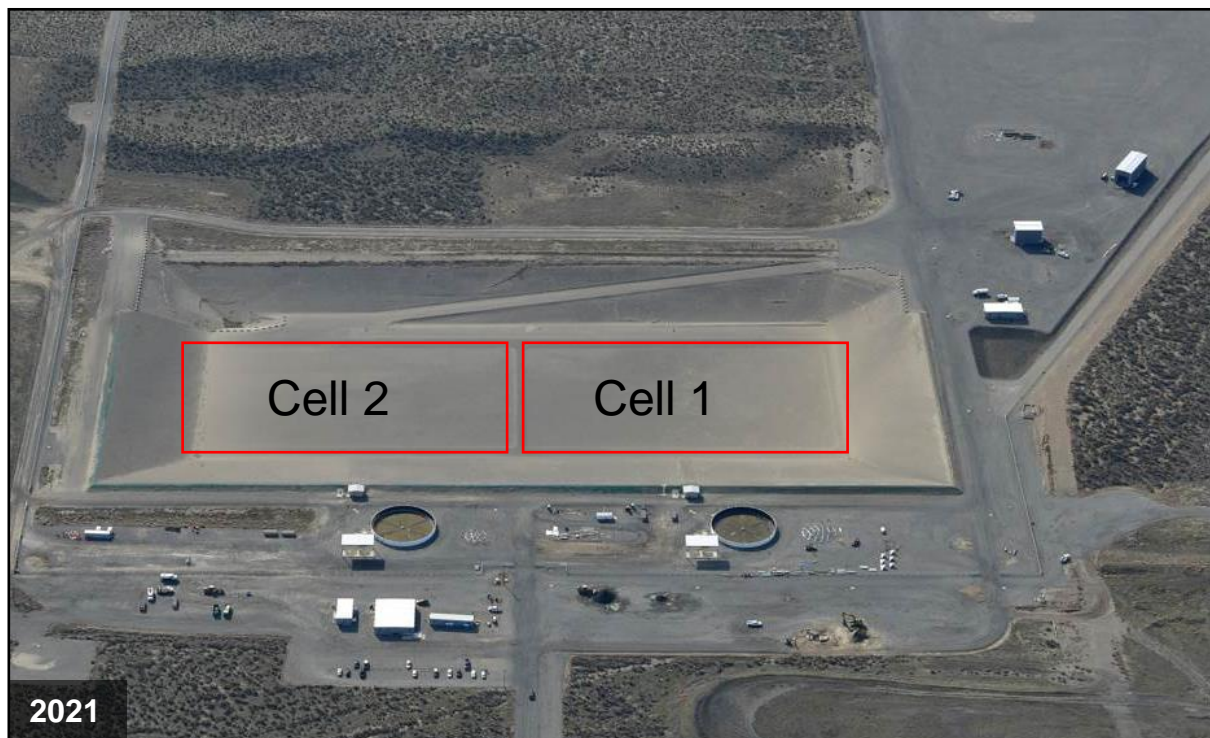
What is being briefed:

- Facility overview
- Upgrades

What do we want the HAB to do with this information?

- The information is relevant to the current *Resource Conservation and Recovery Act* (RCRA) Class 3 permit modification requests being pursued through Ecology.

Provide a safe and compliant low-level and mixed low-level waste disposal site that supports the Direct-Feed Low-Activity Waste (DFLAW) Program and other Hanford-generated waste as appropriate.



Aerial view of Integrated Disposal Facility

First phase of construction completed in 2006

- Cell 1 is permitted to allow disposal of vitrified mixed low-level waste
- Cells 1 and 2 completed at a cost of \$25 million

Second phase of construction began in 2018

- Construct or modify infrastructure to support Direct-Feed Low-Activity Waste operations
 - Leachate collection system upgrades
- RCRA permit modifications: active life, transfer pipes and leachate
 - Cell 2 will be permitted to allow disposal of vitrified mixed low-level waste

- Located in the 200 East Area next to the PUREX tunnels and the Tank Farms
- Location was chosen due to the proximity of the Waste Treatment and Immobilization Plant
- Both cells can be expanded
- Preoperational state, no waste receipts to date



Current project modifications:

- Site preparation: earthwork for modifications
- Support facilities: administrative, waste receiving and inspection buildings
- Leachate system: domes, cross-connect and liners
- RCRA permit modifications: active life, transfer pipes and leachate

Ready to receive waste by September 2022

- **Active Life Class 3 Permit Modification Request:**
 - Includes disposal of secondary solid waste from DFLAW and other Hanford-generated waste
 - Adds Cell 2 and storage/treatment pads
- **Leachate System Class 3 Permit Modification Request:**
 - Includes both leachate tanks
 - Includes the cross-connect and ancillary equipment



Jan 2019

Operations area earthwork



Jan 2019

Soils loadout



Mar 2021

Facility footprint



Sept 2020

Boundary fencing



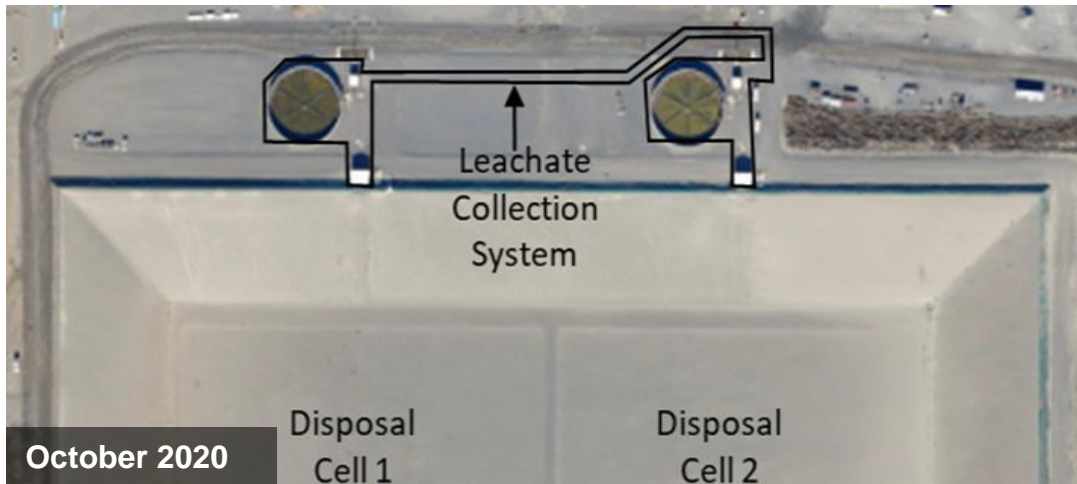
Jan 2021

Transport inspection building



Jan 2021

Pallet inspection building



October 2020

Disposal
Cell 1

Disposal
Cell 2

Leachate cross-connect



April 2021

Dome assembled



April 2021

Dome interior



February 2021

Support columns

Questions?

The Hanford Reach
White Bluffs Overlooking the Columbia River